SURYA

LED STREET LIGHT
SLE UL 120W IP66 LXN

Photometric & Electrical Measurement
(As per IES LM 79-08 / IS 16106 : 2012)

Issued by: STIC, Surya Roshni LTD
03/05/2017

SURYA TECHNOLOGY & INNOVATION CENTRE
SURYA ROSHNI LTD.
(Lighting Division)
D-63, Hosiery Complex Phase-II
Noida (U.P.), 201301
Contact: +91 (120) 4344887, 4344888, 434489, 4344890
Email: surya@sroshni.com
Fax: 01125789560
Web: http://www.suryaroshnilighting.com

TEST REPORT

Report Number:	1703E10PH00	**Date:**	03/05/2017
Testing Agency:	Surya Technology & Innovation Centre		
Customer Details:			
Surya Roshni Limited **LBG Division** **Padma Tower -1** **Rajendra Palace** **New Delhi 110008**			
Product Catalogue Reference:	SLE UL 120W IP66 LXN	**Brand:**	SURYA
Product/Sample ID:	1703E10		
Product/Sample Description:	120W LED streetlight		
Construction- An aesthetically appealing, IP 66, Streetlight luminaire comprising of optimally designed die cast Aluminium housing with heat resistant toughened glass with all necessary accessories. High performance LED Driver provides energy efficient lighting, wide distribution in longitudinal direction & optimum distribution in tranverse direction, avoiding light pollution & effectively utilizing light in street lighting application.			

Test Details:	**Document References/Standard:**
• Light intensity distribution Measurement • Total Lumen output Measurement • Electrical Parameters Measurement	• IES-LM-79-08 Electrical and Photometric Measurements of Solid-State Lighting Products • IS : 16106 : 2012 Method of Electrical and Photometric Measurements of Solid State Lighting (LED) Products

Enclosures:	Refer to page no. 3 to 5

Disclaimer:
This report shall not be reproduced, except in full.
The results of test in this report apply only to sample item/ product tested.
No sampling was conducted by this laboratory for the test item/product mentioned overleaf

Tested by:		**Approved by:**
Rakesh Jaiswar		Sukanta Kundu

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Electrical & Photometric Test Report

Photometric Test Report (As Per IES LM 79-08)			**Sample ID:** 1703E10	
Catalogue Reference	SLE UL 120W IP66 LXN		**Date of Testing**	03/05/2017
Testing Agency	Surya Technology & Innovation Center		**Brand**	SURYA
Equipment used		LMT Mirror Goniophotometer (Type 3.1) & YOKOGAWA Power Meter(WT2010)		
Measurement of uncertainty		±2.5%	**Photometric Distance**	19.083 m
Ambient Temperature	(25±1) ºC	Relative Humidity	48 %	
Test voltage (V)	240 V ac	Frequency (Hz)	50	
Stabilization Time	60 min	Total operating time	90 min	
Rated Performance Parameters-				
Rated Wattage	120W±10%	Maximum Input Current	0.570A	
CCT	5700K	CRI	>70	
Measured Electrical Parameters:				
Supply Voltage (V)	240.0 V	Input Current (A)	0.514A	
Total Power (W)	119.6 W	Power Factor	0.974	
Photometric Measurement Data:				
Total Measured Lumen (lm)	11206 lm	System Efficacy (lm/W)	93.69 lm/W	
Light Intensity Distribution (cd)		Attached (Refer to page no. 4)		
Zonal Flux Diagram(street)		Attached (Refer to page no. 5)		

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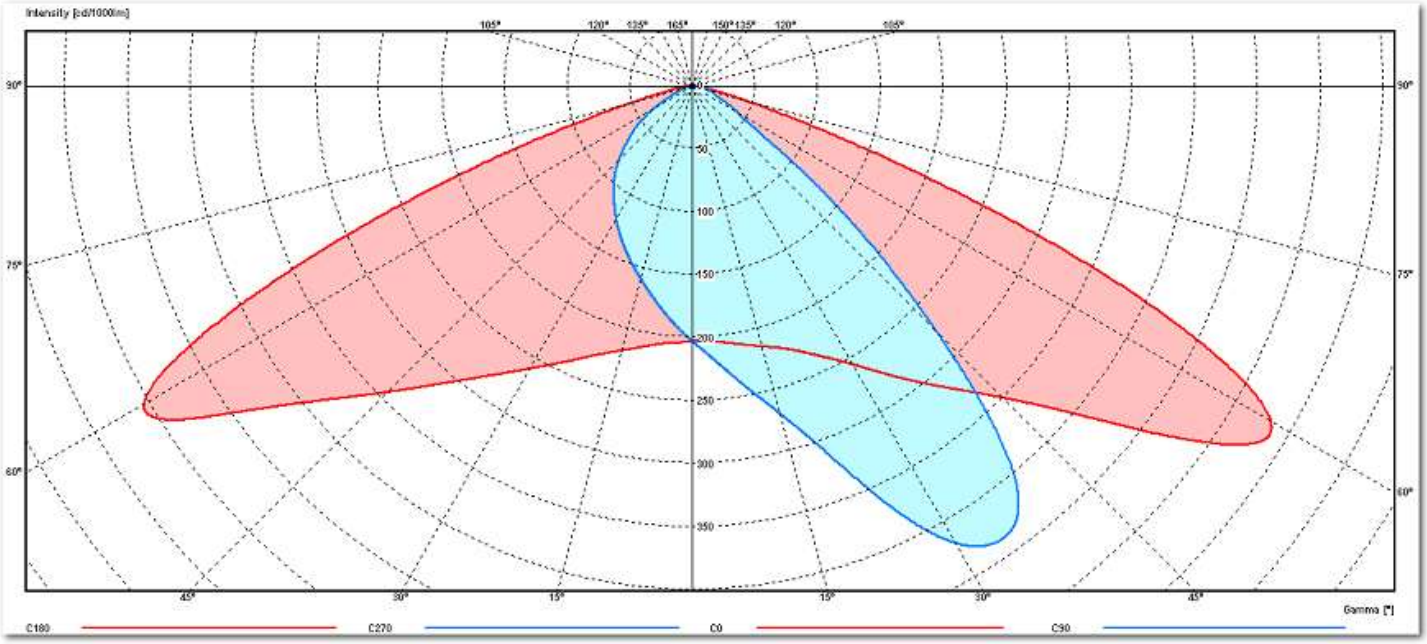
Light intensity Distribution Diagram-



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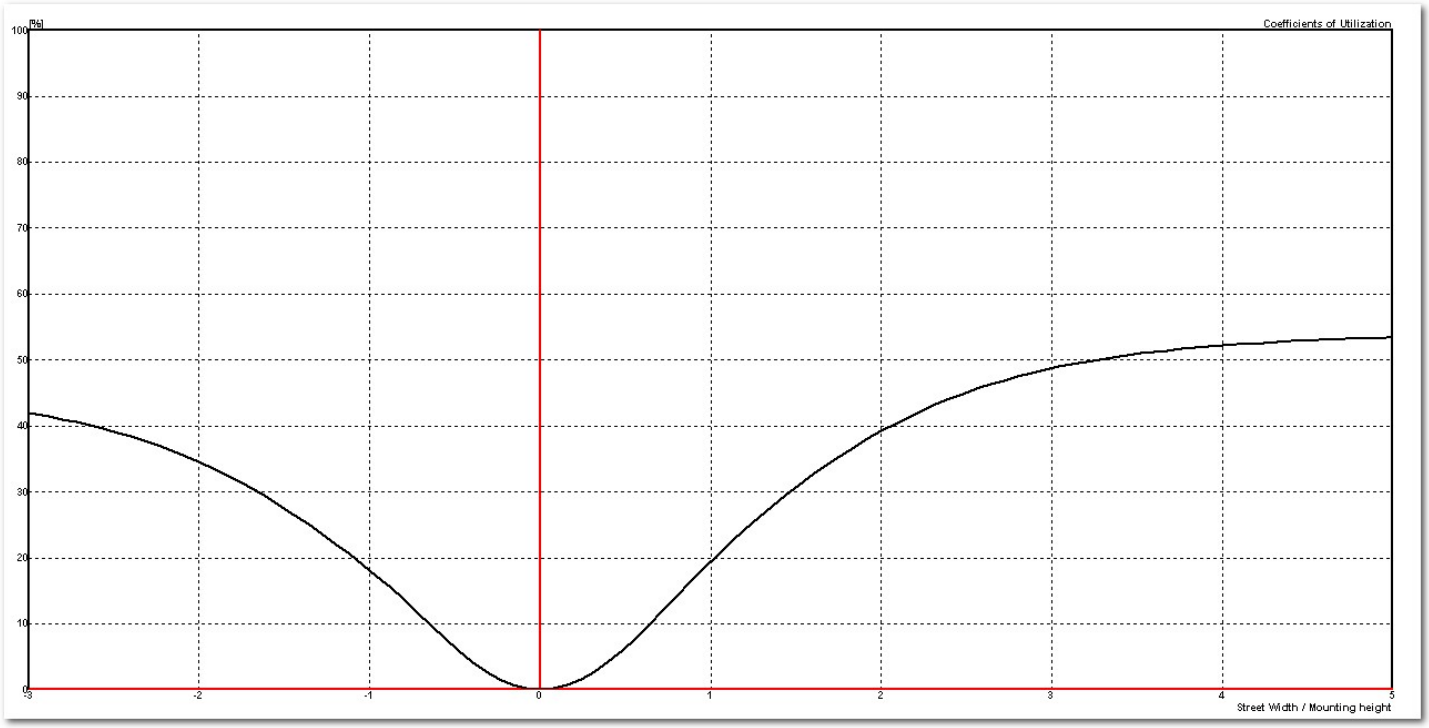
Zonal Flux Diagram (Street) -



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